BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER
YELAHANKA DIVISION

MASUREMENT SHEETS

1st and Final Bill

Name of Work: Asphalting to Road from D.B Pura Main Road towards raileway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards raileway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & ~~Part Bill~~ Final Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	1									
Item Name:	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			05-05-2022							
For Bad Reaches										
1st Main Road from 4th Cross Road to Junction Road										
			1	3.00	3.00	3.00	3.00	0.30	2.70	
			1	4.00	2.00	2.00	2.00	0.30	2.40	
			1	2.00	1.80	1.80	1.80	0.30	1.08	
			1	3.00	3.00	3.00	3.00	0.30	2.70	
			1	3.50	2.00	2.00	2.00	0.30	2.10	
			1	6.00	2.50	2.50	2.50	0.30	4.50	
			1	5.00	1.55	1.55	1.55	0.30	2.33	
3rd Cross Road from 2nd Main										
			1	5.00	2.00	2.00	2.00	0.30	3.00	
			1	4.00	1.85	1.85	1.85	0.30	2.22	
			1	3.00	2.20	2.20	2.20	0.30	1.98	
			1	3.00	1.55	1.55	1.55	0.30	1.40	
			1	2.50	1.20	1.20	1.20	0.30	0.90	
			1	5.00	2.00	2.00	2.00	0.30	3.00	
			1	3.00	1.50	1.50	1.50	0.30	1.35	

C & R

Ramakrishna A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

5/05/2022

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	3.00	2.00	2.00	2.00	0.30	1.80	
			1	5.00	2.50	2.50	2.50	0.30	3.75	
	Total Quantity								37.20	Cum
	Quanity Limit to								38.45	Cum
	Quantity Carried to Summary								37.20	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub-Division
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yna. Zn)
Yelahanka, Bangalore

5/5/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards raileway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	2							
Item Name:	Removal of unserviceable soil including excavation, loading replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301							
SL NO	**CHAINAGE**		**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**
Pre-Measurement Recorded On:				05-05-2022				
Drain Desilting								
1st Main Road from 4th Cross Road to ~~Jakkur~~ Road								
LHS	0.00	0.00	1	0.00	0.60	0.30	0.00	
	0.00	30.00	1	30.00	0.60	0.35	6.30	
	30.00	60.00	1	30.00	0.60	0.30	5.40	
	60.00	90.00	1	30.00	0.60	0.30	5.40	
	90.00	120.00	1	30.00	0.60	0.35	6.30	
	120.00	150.00	1	30.00	0.60	0.35	6.30	
	150.00	169.70	1	19.70	0.60	0.30	3.55	
RHS	0.00	0.00	1	0.00	0.60	0.30	0.00	
	0.00	30.00	1	30.00	0.60	0.35	6.30	
	30.00	60.00	1	30.00	0.60	0.30	5.40	
	60.00	90.00	1	30.00	0.60	0.35	6.30	
	90.00	120.00	1	30.00	0.60	0.40	7.20	
	120.00	150.00	1	30.00	0.60	0.30	5.40	
	150.00	169.70	1	19.70	0.60	0.30	3.55	
3rd Cross Road from 2nd Main								

E & FC

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
5/5/22

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
LHS	0.00	0.00	1	0.00	0.60	0.30	0.00	
	0.00	26.50	1	26.50	0.60	0.35	5.57	
	26.50	26.50	1	0.00	0.60	0.30	0.00	
	26.50	38.50	1	12.00	0.60	0.35	2.52	
	38.50	38.50	1	0.00	0.60	0.35	0.00	
	38.50	68.50	1	30.00	0.60	0.30	5.40	
	68.50	68.50	1	0.00	0.60	0.30	0.00	
	68.50	98.50	1	30.00	0.60	0.35	6.30	
	98.50	100.00	1	1.50	0.60	0.30	0.27	
	100.00	100.00	1	0.00	0.60	0.30	0.00	
	100.00	130.00	1	30.00	0.60	0.35	6.30	
	130.00	160.00	1	30.00	0.60	0.35	6.30	
	160.00	161.90	1	1.90	0.60	0.30	0.34	
RHS	0.00	0.00	1	0.00	0.60	0.30	0.00	
	0.00	26.50	1	26.50	0.60	0.35	5.57	
	26.50	26.50	1	0.00	0.60	0.35	0.00	
	26.50	38.50	1	12.00	0.60	0.30	2.16	
	38.50	38.50	1	0.00	0.60	0.30	0.00	
	38.50	68.50	1	30.00	0.60	0.35	6.30	
	68.50	68.50	1	0.00	0.60	0.30	0.00	
	68.50	98.50	1	30.00	0.60	0.30	5.40	
	98.50	100.00	1	1.50	0.60	0.35	0.32	
	100.00	100.00	1	0.00	0.60	0.35	0.00	
	100.00	130.00	1	30.00	0.60	0.30	5.40	
	130.00	160.00	1	30.00	0.60	0.30	5.40	
	160.00	161.90	1	1.90	0.60	0.30	0.34	
	Total Quantity						131.27	Cum
	Quanity Limit to						81.00	Cum
	Quantity Carried to Summary						81.00	Cum

C & FC

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

5/5/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & ~~Part Bill~~ Final Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	3							
Item Name:	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)							
SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				04-05-2022				
For Drain Covering Slab								
1st Main Road from 4th Cross Road to ~~Jakkur~~ Road								
LHS	0.00	0.00	1	0.00	0.90		0.00	
	0.00	30.00	1	30.00	0.90		27.00	
	30.00	60.00	1	30.00	0.90		27.00	
	60.00	90.00	1	30.00	0.90		27.00	
	90.00	120.00	1	30.00	0.90		27.00	
	120.00	150.00	1	30.00	0.90		27.00	
	150.00	169.70	1	19.70	0.90		17.73	
RHS	0.00	0.00	1	0.00	0.90		0.00	
	0.00	30.00	1	30.00	0.90		27.00	
	30.00	60.00	1	30.00	0.90		27.00	
	60.00	90.00	1	30.00	0.90		27.00	
	90.00	120.00	1	30.00	0.90		27.00	
	120.00	150.00	1	30.00	0.90		27.00	
	150.00	169.70	1	19.70	0.90		17.73	
3rd Cross Road from 2nd Main								
LHS	0.00	0.00	1	0.00	0.90		0.00	
	0.00	26.50	1	26.50	0.90		23.85	
	26.50	26.50	1	0.00	0.90		0.00	

C & C

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

04/05/22

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			-2	4.00	0.90		-7.20	
			-1	2.00	0.90		-1.80	
	3rd Cross Road from 2nd Main							
LHS			-1	8.00	0.90		-7.20	
			-1	3.00	0.90		-2.70	
			-2	4.00	0.90		-7.20	
			-1	7.00	0.90		-6.30	
			-1	8.00	0.90		-7.20	
			-1	9.00	0.90		-8.10	
RHS			-1	6.00	0.90		-5.40	
			-1	8.00	0.90		-7.20	
			-1	1.00	0.90		-0.90	
			-2	2.00	0.90		-3.60	
			-2	9.00	0.90		-16.20	
			-1	4.00	0.90		-3.60	
	Total Quantity						459.18	Sqm
	Quanity Limit to						243.00	Sqm
	Quantity Carried to Summary						243.00	Sqm

Remeasured
A.E.E

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
Yelahanka, Bangalore

4/5/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	4							
Item Name:	Providing and Fixing Pre-cast covering slab made of concrete 1:2:4 with 10cm thick and finishing cutting, including form work, cost of all materilas, labour, hire charges of chinney, loading, unloading, laid and lift transportation etc.,							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				17-05-2022				
New Precast Slab								
1st Main Road from 4th Cross Road to [illegible] Road								
LHS			1	5.00	0.90		4.50	
			2	8.00	0.90		14.40	
			1	4.00	0.90		3.60	
			2	3.00	0.90		5.40	
			1	5.00	0.90		4.50	
			2	6.00	0.90		10.80	
RHS			1	5.00	0.90		4.50	
			2	3.00	0.90		5.40	
			2	4.00	0.90		7.20	
			1	2.00	0.90		1.80	
3rd Cross Road from 2nd Main								
LHS			1	8.00	0.90		7.20	
			1	3.00	0.90		2.70	
			2	4.00	0.90		7.20	
			1	7.00	0.90		6.30	

C&P

Reviewed A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

17/5/2022

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	8.00	0.90		7.20	
			1	9.00	0.90		8.10	
RHS			1	6.00	0.90		5.40	
			1	8.00	0.90		7.20	
			1	1.00	0.90		0.90	
			2	2.00	0.90		3.60	
			2	9.00	0.90		16.20	
			1	4.00	0.90		3.60	
	Total Quantity						137.70	Sqm
	Quanity Limit to						138.00	Sqm
	Quantity Carried to Summary						137.70	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yhk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

17/5/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards raileway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	6							
Item Name:	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			07-05-2022				
Kerb							
Deduction or Missing & Damage							
			1	10.00		10.00	
			1	15.00		15.00	
			1	10.00		10.00	
						35.00	m
						77.78	
	Total Quantity					78.00	Nos
	Quantity Carried to Summary					78.00	Nos

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka Zone)
BBMP
Yelahanka, Bangalore

7/05/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	8									
Item Name:	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision									

SL NO	CHAINAGE	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			07-05-2022						
For Bad Reaches									
1st Main Road from 4th Cross Road to [illegible] Road									
		1	3.00	3.00	3.00	3.00	0.15	1.35	
		1	4.00	2.00	2.00	2.00	0.15	1.20	
		1	2.00	1.80	1.80	1.80	0.15	0.54	
		1	3.00	3.00	3.00	3.00	0.15	1.35	
		1	3.50	2.00	2.00	2.00	0.15	1.05	
		1	6.00	2.50	2.50	2.50	0.15	2.25	
		1	5.00	1.55	1.55	1.55	0.15	1.16	
3rd Cross Road from 2nd Main									
		1	5.00	2.00	2.00	2.00	0.15	1.50	
		1	4.00	1.85	1.85	1.85	0.15	1.11	
		1	3.00	2.20	2.20	2.20	0.15	0.99	
		1	3.00	1.55	1.55	1.55	0.15	0.70	
		1	2.50	1.20	1.20	1.20	0.15	0.45	
		1	5.00	2.00	2.00	2.00	0.15	1.50	

C/Rd

Reviewed

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

07/05/22

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	3.00	1.50	1.50	1.50	0.15	0.68	
			1	3.00	2.00	2.00	2.00	0.15	0.90	
			1	5.00	2.50	2.50	2.50	0.15	1.88	
	Total Quantity								18.60	Cum
	Quantity Carried to Summary								18.60	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP Bangalore

7/5/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	6									
Item Name:	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406									

SL NO	CHAINAGE	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-05-2022						
For Bad Reaches									
1st Main Road from 4th Cross Road to [illegible] Road									
			1	3.00	3.00	3.00	3.00	0.15	1.35
			1	4.00	2.00	2.00	2.00	0.15	1.20
			1	2.00	1.80	1.80	1.80	0.15	0.54
			1	3.00	3.00	3.00	3.00	0.15	1.35
			1	3.50	2.00	2.00	2.00	0.15	1.05
			1	6.00	2.50	2.50	2.50	0.15	2.25
			1	5.00	1.55	1.55	1.55	0.15	1.16
3rd Cross Road from 2nd Main									
			1	5.00	2.00	2.00	2.00	0.15	1.50
			1	4.00	1.85	1.85	1.85	0.15	1.11
			1	3.00	2.20	2.20	2.20	0.15	0.99
			1	3.00	1.55	1.55	1.55	0.15	0.70
			1	2.50	1.20	1.20	1.20	0.15	0.45
			1	5.00	2.00	2.00	2.00	0.15	1.50
			1	3.00	1.50	1.50	1.50	0.15	0.68

PC & PC

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
9/5/2022

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	3.00	2.00	2.00	2.00	0.15	0.90	
			1	5.00	2.50	2.50	2.50	0.15	1.88	
	Total Quantity								18.60	Cum
	Quantity Carried to Summary								18.60	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
Yelahanka, Bangalore
9/5/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards raileway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	8
Item Name:	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				13-05-2022						
For Asphalting										
3rd Cross Road from 1st Main Road to Dead end										
	0.00	0.00	1	0.00	4.90	4.90	4.90		0.00	
	0.00	30.00	1	30.00	4.90	4.70	4.80		144.00	
	30.00	60.00	1	30.00	4.70	4.50	4.60		138.00	
	60.00	86.40	1	26.40	4.50	5.10	4.80		126.72	
	86.40	95.30	1	8.90	5.10	3.40	4.25		37.83	
1st Main Road from 4th Cross Road to Tattur - Road										
	0.00	0.00	1	0.00	5.10	5.10	5.10		0.00	
	0.00	30.00	1	30.00	5.10	5.30	5.20		156.00	
	30.00	60.00	1	30.00	5.30	4.90	5.10		153.00	
	60.00	90.00	1	30.00	4.90	6.10	5.50		165.00	
	90.00	120.00	1	30.00	6.10	5.75	5.93		177.75	
	120.00	150.00	1	30.00	5.75	5.60	5.68		170.25	
	150.00	169.70	1	19.70	5.60	5.10	5.35		105.40	
	MH		-3	(3.14x1^2)/4					-2.36	
3rd Cross Road from 1st Main to 2nd Main										
	0.00	0.00	1	0.00	4.10	4.10	4.10		0.00	
	0.00	30.00	1	30.00	4.10	4.10	4.10		123.00	
	30.00	57.70	1	27.70	4.10	5.30	4.70		130.19	
3rd Cross Road from 2nd Main										
	0.00	0.00	1	0.00	5.70	5.70	5.70		0.00	
	0.00	26.50	1	26.50	5.70	5.50	5.60		148.40	

C & E

Ramesh Gowda A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

13/5/2022

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	26.50	26.50	1	0.00	5.50	7.10	6.30		0.00	
	26.50	38.50	1	12.00	7.10	7.30	7.20		86.40	
	38.50	38.50	1	0.00	7.30	5.50	6.40		0.00	
	38.50	68.50	1	30.00	5.50	5.80	5.65		169.50	
	68.50	68.50	1	0.00	5.80	6.80	6.30		0.00	
	68.50	98.50	1	30.00	6.80	6.40	6.60		198.00	
	98.50	100.00	1	1.50	6.40	6.40	6.40		9.60	
	100.00	100.00	1	0.00	6.40	7.50	6.95		0.00	
	100.00	130.00	1	30.00	7.50	7.50	7.50		225.00	
	130.00	160.00	1	30.00	7.50	6.70	7.10		213.00	
	160.00	161.90	1	1.90	6.70	6.70	6.70		12.73	
	161.90	191.90	1	30.00	6.70	6.50	6.60		198.00	
	191.90	212.90	1	21.00	6.50	6.40	6.45		135.45	
	Deductions									
	Chamber		-5	0.60	0.90	0.90	0.90		-2.70	
	MH		-3	(3.14x1^2)/4					-2.36	
	Total Quantity								3015.80	Sqm
	Quanity Limit to								3022.50	Sqm
	Quantity Carried to Summary								3015.80	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
13/9/22

A.E.E

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	9									
Item Name:	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				12-05-2022						
For Asphalting										
3rd Cross Road from 1st Main Road to Dead end										
	0.00	0.00	1	0.00	4.90	4.90	4.90	0.05	0.00	
	0.00	30.00	1	30.00	4.90	4.70	4.80	0.05	7.20	
	30.00	60.00	1	30.00	4.70	4.50	4.60	0.05	6.90	
	60.00	86.40	1	26.40	4.50	5.10	4.80	0.05	6.34	
	86.40	95.30	1	8.90	5.10	3.40	4.25	0.05	1.89	
1st Main Road from 4th Cross Road to Takker Road										
	0.00	0.00	1	0.00	5.10	5.10	5.10	0.05	0.00	
	0.00	30.00	1	30.00	5.10	5.30	5.20	0.05	7.80	
	30.00	60.00	1	30.00	5.30	4.90	5.10	0.05	7.65	
	60.00	90.00	1	30.00	4.90	6.10	5.50	0.05	8.25	
	90.00	120.00	1	30.00	6.10	5.75	5.93	0.05	8.89	
	120.00	150.00	1	30.00	5.75	5.60	5.68	0.05	8.51	
	150.00	169.70	1	19.70	5.60	5.10	5.35	0.05	5.27	
	MH		-3	(3.14x1^2)/4				0.05	-0.12	
3rd Cross Road from 1st Main to 2nd Main										
	0.00	0.00	1	0.00	4.10	4.10	4.10	0.05	0.00	
	0.00	30.00	1	30.00	4.10	4.10	4.10	0.05	6.15	
	30.00	57.70	1	27.70	4.10	5.30	4.70	0.05	6.51	

Ramakrishnaiah
A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

12/5/2022

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
3rd Cross Road from 2nd Main										
	0.00	0.00	1	0.00	5.70	5.70	5.70	0.05	0.00	
	0.00	26.50	1	26.50	5.70	5.50	5.60	0.05	7.42	
	26.50	26.50	1	0.00	5.50	7.10	6.30	0.05	0.00	
	26.50	38.50	1	12.00	7.10	7.30	7.20	0.05	4.32	
	38.50	38.50	1	0.00	7.30	5.50	6.40	0.05	0.00	
	38.50	68.50	1	30.00	5.50	5.80	5.65	0.05	8.48	
	68.50	68.50	1	0.00	5.80	6.80	6.30	0.05	0.00	
	68.50	98.50	1	30.00	6.80	6.40	6.60	0.05	9.90	
	98.50	100.00	1	1.50	6.40	6.40	6.40	0.05	0.48	
	100.00	100.00	1	0.00	6.40	7.50	6.95	0.05	0.00	
	100.00	130.00	1	30.00	7.50	7.50	7.50	0.05	11.25	
	130.00	160.00	1	30.00	7.50	6.70	7.10	0.05	10.65	
	160.00	161.90	1	1.90	6.70	6.70	6.70	0.05	0.64	
	161.90	191.90	1	30.00	6.70	6.50	6.60	0.05	9.90	
	191.90	212.90	1	21.00	6.50	6.40	6.45	0.05	6.77	
	Deductions									
	Chamber		-5	0.60	0.90	0.90	0.90	0.05	-0.14	
	MH		-3	(3.14x1^2)/4				0.05	-0.12	
	Total Quantity								150.79	Cum
	Quanity Limit to								151.13	Cum
	Quantity Carried to Summary								150.79	Cum

C & Pc

Recommended
A.E.E

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
BBMP
Yelahanka, Bangalore

12/5/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	11									
Item Name:	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				18-05-2022						
For Asphalting										
	3rd Cross Road from 1st Main Road to Dead end									
	0.00	0.00	1	0.00	4.90	4.90	4.90	0.04	0.00	
	0.00	30.00	1	30.00	4.90	4.70	4.80	0.04	5.76	
	30.00	60.00	1	30.00	4.70	4.50	4.60	0.04	5.52	
	60.00	86.40	1	26.40	4.50	5.10	4.80	0.04	5.07	
	86.40	95.30	1	8.90	5.10	3.40	4.25	0.04	1.51	
	1st Main Road from 4th Cross Road to Farmer Road									C & FC
	0.00	0.00	1	0.00	5.10	5.10	5.10	0.04	0.00	
	0.00	30.00	1	30.00	5.10	5.30	5.20	0.04	6.24	
	30.00	60.00	1	30.00	5.30	4.90	5.10	0.04	6.12	
	60.00	90.00	1	30.00	4.90	6.10	5.50	0.04	6.60	
	90.00	120.00	1	30.00	6.10	5.75	5.93	0.04	7.11	
	120.00	150.00	1	30.00	5.75	5.60	5.68	0.04	6.81	
	150.00	169.70	1	19.70	5.60	5.10	5.35	0.04	4.22	
	MH		-3	(3.14x1^2)/4				0.04	-0.09	
	3rd Cross Road from 1st Main to 2nd Main									
	0.00	0.00	1	0.00	4.10	4.10	4.10	0.04	0.00	
	0.00	30.00	1	30.00	4.10	4.10	4.10	0.04	4.92	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

18/5/2022

SL NO	CHAINAGE		NO	L	B1	B2	Avg B	Avg D	QTY	REMARKS
				(m)	(m)	(m)	(m)	(m)		
	30.00	57.70	1	27.70	4.10	5.30	4.70	0.04	5.21	
	3rd Cross Road from 2nd Main									
	0.00	0.00	1	0.00	5.70	5.70	5.70	0.04	0.00	
	0.00	26.50	1	26.50	5.70	5.50	5.60	0.04	5.94	
	26.50	26.50	1	0.00	5.50	7.10	6.30	0.04	0.00	
	26.50	38.50	1	12.00	7.10	7.30	7.20	0.04	3.46	
	38.50	38.50	1	0.00	7.30	5.50	6.40	0.04	0.00	
	38.50	68.50	1	30.00	5.50	5.80	5.65	0.04	6.78	
	68.50	68.50	1	0.00	5.80	6.80	6.30	0.04	0.00	
	68.50	98.50	1	30.00	6.80	6.40	6.60	0.04	7.92	C&PC
	98.50	100.00	1	1.50	6.40	6.40	6.40	0.04	0.38	
	100.00	100.00	1	0.00	6.40	7.50	6.95	0.04	0.00	
	100.00	130.00	1	30.00	7.50	7.50	7.50	0.04	9.00	Recommended A.E.E
	130.00	160.00	1	30.00	7.50	6.70	7.10	0.04	8.52	
	160.00	161.90	1	1.90	6.70	6.70	6.70	0.04	0.51	
	161.90	191.90	1	30.00	6.70	6.50	6.60	0.04	7.92	
	191.90	212.90	1	21.00	6.50	6.40	6.45	0.04	5.42	
	Deductions									
	Chamber		-5	0.60	0.90	0.90	0.90	0.04	-0.11	
	MH		-3	(3.14x1^2)/4				0.04	-0.09	
	Total Quantity								120.63	Cum
	Quantity Carried to Summary								120.63	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk Zn)
BBMP
Yelahanka, Bangalore
18/5/22

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Asphalting to Road from D.B Pura Main Road towards railway station (Mini Vidhanasoudha Road) in Ward No-01 Kempegowda of Yelahanka Sub Division.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri.M.Ravish Kumar (Messers B Munikrishnappa)

Item No.	14							
Item Name:	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				18-05-2022				
Lane Marking								
Sides								
3rd Cross Road from 1st Main Road to Dead end								
	0.00	0.00	2	0.00	0.10		0.00	
	0.00	30.00	2	30.00	0.10		6.00	
	30.00	60.00	2	30.00	0.10		6.00	
	60.00	86.40	2	26.40	0.10		5.28	C&FC
	86.40	95.30	2	8.90	0.10		1.78	
1st Main Road from 4th Cross Road to Jakkur Road								Ramanjeeval AEE
	0.00	0.00	2	0.00	0.10		0.00	
	0.00	30.00	2	30.00	0.10		6.00	
	30.00	60.00	2	30.00	0.10		6.00	
	60.00	90.00	2	30.00	0.10		6.00	
	90.00	120.00	2	30.00	0.10		6.00	

Ramanjeeval

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

18/5/2022

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	120.00	150.00	2	30.00	0.10		6.00	
	150.00	169.70	2	19.70	0.10		3.94	
3rd Cross Road from 1st Main to 2nd Main								
	0.00	0.00	2	0.00	0.10		0.00	
	0.00	30.00	2	30.00	0.10		6.00	
	30.00	57.70	2	27.70	0.10		5.54	
3rd Cross Road from 2nd Main								
	0.00	0.00	2	0.00	0.10		0.00	
	0.00	26.50	2	26.50	0.10		5.30	
	26.50	26.50	2	0.00	0.10		0.00	
	26.50	38.50	2	12.00	0.10		2.40	
	38.50	38.50	2	0.00	0.10		0.00	
	38.50	68.50	2	30.00	0.10		6.00	
	68.50	68.50	2	0.00	0.10		0.00	
	68.50	98.50	2	30.00	0.10		6.00	
	98.50	100.00	2	1.50	0.10		0.30	
	100.00	100.00	2	0.00	0.10		0.00	
	100.00	130.00	2	30.00	0.10		6.00	
	130.00	160.00	2	30.00	0.10		6.00	
	160.00	161.90	2	1.90	0.10		0.38	
	161.90	163.80	2	1.90	0.10		0.38	
	163.80	165.70	2	1.90	0.10		0.38	
Centre								
1st Main Road from 4th Cross Road to Jakkur Road								
	0.00	0.00	0.5	0.00	0.10		0.00	
	0.00	30.00	0.5	30.00	0.10		1.50	
	30.00	60.00	0.5	30.00	0.10		1.50	
	60.00	90.00	0.5	30.00	0.10		1.50	
	90.00	120.00	0.5	30.00	0.10		1.50	
	120.00	150.00	0.5	30.00	0.10		1.50	
	150.00	169.70	0.5	19.70	0.10		0.99	

C & C Ramanjaneyal A.E.E

Executive Engineer

Ramanjaneyal
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

19/5/2022

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	3rd Cross Road from 2nd Main							
	0.00	0.00	0.5	0.00	0.10		0.00	
	0.00	26.50	0.5	26.50	0.10		1.33	
	26.50	26.50	0.5	0.00	0.10		0.00	
	26.50	38.50	0.5	12.00	0.10		0.60	
	38.50	38.50	0.5	0.00	0.10		0.00	
	38.50	68.50	0.5	30.00	0.10		1.50	
	68.50	68.50	0.5	0.00	0.10		0.00	
	68.50	98.50	0.5	30.00	0.10		1.50	
	98.50	100.00	0.5	1.50	0.10		0.08	
	100.00	100.00	0.5	0.00	0.10		0.00	
	100.00	130.00	0.5	30.00	0.10		1.50	
	130.00	160.00	0.5	30.00	0.10		1.50	
	160.00	161.90	0.5	1.90	0.10		0.10	
	161.90	191.90	0.5	30.00	0.10		1.50	
	191.90	212.90	0.5	21.00	0.10		1.05	
	Total Quantity						116.81	Sqm
	Quantity Carried to Summary						116.81	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ward No. 2nd)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

19/5/22